

BOROUGH OF CLEETHORPES.

ANNUAL REPORT

upon the

HEALTH AND

SANITARY CONDITIONS

for the year 1939.

G. HOLROYD

M.R.C.S., Eng., L.R.C.P., Lond., D.P.H., Lond.,

Medical Officer of Health.

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Health Committee Members, 1938-9.

Chairman: Ald. E. Houghton, J.P.

Vice-Chairman: Ald. W. F. George.

| | |
|--------------------------------|----------------------|
| Ald. R. E. Dove, J.P. (Mayor). | Coun. J. Harvey. |
| Coun. J. Butcher. | Coun. W. Clark. |
| Coun. A. W. Cox. | Coun. E. F. Marklew. |
| Coun. B. W. Wells. | |

Staff of the Health Department.

Medical Officer of Health, G. Holroyd, M.R.C.S., Eng., L.R.C.P.,
Lond., D.P.H., Lond.

Chief Sanitary Inspector: Herbert Brant, M.R.San.I., M.S.I.A.

Sanitary Inspector, No. 2. District,) Walter Ellis, C.R.S.I.
and Cleansing Superintendent.)

Assistant Sanitary Inspector: R. Groat, A.R.San.I.

Junior Assistant: W. Green.

Clerks: S. Nash, H. G. V. Ward and G. H. Cooper.

The following Medical Officers and Nurses of the County Staff carried out work within the area of the Borough.

G. Holroyd, M.R.C.S., Eng., L.R.C.P., Lond., D.P.H., Lond.,
Tuberculosis and School Medical Officer.

| | |
|--|---|
| A. C. Easterbrook, M.B., Ch.B., D.P.H. | Ante Natal, Child Welfare & V.D. Clinics. |
| F. E. Padgett, L.D.S., R.C.S. | Dental Officer. |
| Miss M. H. Hinshelwood, L.D.S., R.F.P.S. | Dental Surgeon. |
| Miss E. E. Jenkinson, S.R.N., Cert. C.M.B. | Health Visitor. |
| Miss V. Walker, S.R.N. | Health Visitor. |
| Miss C. Clark, S.R.N., Cert. C.M.B. | Health Visitor. |
| Miss Gilesman, Cert. C.M.B. | Health Visitor. |
| Miss E. Smith, S.R.N., Cert. C.M.B. | Health Visitor. |
| Mrs. J. Briggs | Dental Nurse. |
| Miss M. Carew-Fisher | Dental Nurse. |
| Mrs. Schute | Secretary. |

HEALTH DEPARTMENT, CLEETHORPES.

To the Mayor, Aldermen and Councillors of the Borough
of Cleethorpes.

GENTLEMEN,

I have the honour to submit my Annual Report on the Health and Sanitary Conditions of the Municipal Borough during the year 1939.

The vital statistics are satisfactory; the Death Rate is 10.78 and the Birth Rate 14.14.

Deaths from Cancer are 49, this is an increase of seven on the number of deaths which occurred from this cause in the previous year.

There has been no epidemic of Infectious Disease and it has been unnecessary to close any schools. Five more cases of Infectious Disease have been notified than in the previous year.

The number of instances of "overcrowding" in the Borough has been reduced to three.

To the Clerk and Medical Officer of Health of the Lindsey County Council, the Town Clerk and Borough Surveyor of Cleethorpes and my Chief Sanitary Inspector, I tender my acknowledgements and thanks for the information they have supplied and which is incorporated in this Report.

To Ald. E. Houghton, J.P., the Chairman, and to the Members of the Health Committee, I express my appreciation of the support and consideration that has continued throughout the year.

I have the honour to be, Gentlemen,

Your obedient Servant,

G. HOLROYD.

SECTION A. STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

General Statistics.

| | | | |
|--|--------|-----|----------|
| Area of Borough in acres (above high water mark) | ... | ... | 2,250 |
| Registrar-General's estimate of Resident population (mid-1939) | 28,580 | | |
| Number of inhabited houses (end of 1939) | ... | ... | 7,808 |
| Rateable Value, 1st April, 1939. | ... | ... | £150,774 |
| Sum represented by a penny rate | ... | ... | £557 |

Social Conditions of the Area :-

The area is mainly residential and caters for the holiday trade in summer.

Unemployment.

An increase in the number of persons in receipt of relief on account of unemployment, has to be recorded; the figures are as follows :-

1. Average weekly number of persons in receipt of ordinary relief during the year ended 31st December, 1939 was ... 777
(as compared with 726 for the previous year)
2. Average weekly number of persons in receipt of relief on account of unemployment was ... 31
3. The total amount of relief granted in the Borough during the year ended 31st December, 1939, was ... £15,819

Vital Statistics.

| | | Total | Male | Female | |
|--------------|--------------|-------|------|--------|---|
| Live Births | Legitimate | 386 | 186 | 200 | Birth Rate per 1,000 of the estimated resident population ... 14.14 |
| | Illegitimate | 18 | 10 | 8 | |
| Still Births | Legitimate | 17 | 7 | 10 | Rate per 1,000 total (live and still births) ... 47.17 |
| | Illegitimate | 3 | 1 | 2 | |

Death Rate per 1,000 of the estimated resident population ... 10.78
 Death Rate per 1,000 for England and Wales ... 12.10
 Deaths from Puerperal Causes (Headings 29 and 30 of the Registrar-General's Short List).

| | Deaths | Rate per 1,000 (total live and still births). |
|--------------------------------|--------|---|
| No. 29. Puerperal Sepsis | 1 | 2.36 |
| No. 30. Other Puerperal causes | Nil | Nil |
| Total | 1 | 2.36 |

Death Rate of Infants under one year of age :-

| | | |
|---|-----|-------|
| All infants per 1,000 live births | ... | 27.23 |
| Legitimate infants per 1,000 legitimate births | ... | 27.23 |
| Illegitimate infants per 1,000 illegitimate live births | | Nil |

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| Deaths from Cancer (all ages) | ... | ... | ... | ... | ... | 49 |
| Deaths from Measles (all ages) | ... | ... | ... | ... | ... | Nil |
| Deaths from Whooping Cough (all ages) | ... | ... | ... | ... | ... | 1 |
| Deaths from Diarrhoea (under 2 years of age) | ... | ... | ... | ... | ... | 1 |

Additional statistics are appended following the suggestion of the Minister of Health regarding :-

1. Causes of Death in infants, 1939, with reference to age and Wards of District.

| DISEASE | TOTALS | North | Sidney | Central | Alexandra | South | Under 1 week | 1 week to 1 month | Total under 1 month | 1 month to 3 months | 3 months to 6 months | 6 months to 1 year |
|---------------------|--------|-------|--------|---------|-----------|-------|--------------|-------------------|---------------------|---------------------|----------------------|--------------------|
| Pertussis | 1 | | 1 | | | | | | | 1 | | |
| Asphyxia Pallida | 1 | | | 1 | | | 1 | | 1 | | | |
| Cardiac Failure | 1 | | | | 1 | | | 1 | 1 | | | |
| Meningitis | 1 | | | | | 1 | | | | | | 1 |
| Tranition | 1 | | 1 | | | | 1 | | 1 | | | |
| Prematurity | 3 | 1 | | | 1 | 1 | 2 | | 2 | | 1 | |
| Broncho Pneumonia | 1 | | | | | 1 | | | | | | 1 |
| Circulatory Failure | 1 | | 1 | | | | | 1 | 1 | | | |
| Shock | 1 | | | 1 | | | | | | 1 | | |
| Totals | 11 | 1 | 3 | 2 | 2 | 3 | 4 | 2 | 6 | 2 | 1 | 2 |

2. Deaths in Wards.

| Wards. | | | | Males | Females | Totals |
|-----------|-----|-----|-----|-------|---------|--------|
| North | ... | ... | ... | 15 | 19 | 34 |
| Sidney | ... | ... | ... | 34 | 23 | 57 |
| Central | ... | ... | ... | 41 | 38 | 79 |
| Alexandra | ... | ... | ... | 31 | 27 | 58 |
| South | ... | ... | ... | 37 | 43 | 80 |
| Totals | | | | 158 | 150 | 308 |

3. Quarterly Death Rates in Wards.

| | North Ward | Sidney Ward | Central Ward | Alexandra Ward | South Ward |
|--------------------------|---------------|----------------|-----------------|-------------------|---------------|
| Population (approx.) ... | 5233 | 4950 | 7395 | 4925 | 6077 |
| First Quarter ... | 5.35 | 13.74 | 12.44 | 11.38 | 18.44 |
| Second Quarter ... | 9.13 | 10.51 | 10.05 | 14.62 | 8.56 |
| Third Quarter ... | 5.35 | 10.51 | 9.74 | 10.56 | 15.80 |
| Fourth Quarter ... | 6.12 | 11.31 | 10.05 | 10.56 | 9.01 |

4. Causes of Death in Borough of
Cleethorpes.

| CAUSES OF DEATH. | | | | 1939 | |
|------------------|--|-----|-----|-------|------|
| | | | | Males | Fem. |
| 1 | Typhoid and Paratyphoid Fever | ... | ... | - | - |
| 2 | Measles | ... | ... | - | - |
| 3 | Scarlet Fever | ... | ... | - | - |
| 4 | Whooping Cough | ... | ... | 1 | - |
| 5 | Diphtheria | ... | ... | 1 | 1 |
| 6 | Influenza | ... | ... | 4 | 1 |
| 7 | Encephalitis Lethargica | ... | ... | 2 | - |
| 8 | Cerebro-Spinal Fever | ... | ... | - | - |
| 9 | Tuberculosis of Respiratory System | ... | ... | 3 | 6 |
| 10 | Other Tuberculosis Diseases | ... | ... | 3 | 1 |
| 11 | Syphilis | ... | ... | - | - |
| 12 | General Paralysis of the Insane, Tabes Dorsalis | ... | ... | 4 | - |
| 13 | Cancer, Malignant Disease | ... | ... | 20 | 29 |
| 14 | Diabetes | ... | ... | 2 | 1 |
| 15 | Cerebral Haemorrhage | ... | ... | 8 | 17 |
| 16 | Heart Disease | ... | ... | 40 | 41 |
| 17 | Aneurysm | ... | ... | 1 | 1 |
| 18 | Other Circulatory Diseases | ... | ... | 4 | 6 |
| 19 | Bronchitis | ... | ... | 5 | 9 |
| 20 | Pneumonia (all forms) | ... | ... | 6 | 2 |
| 21 | Other Respiratory Diseases | ... | ... | 3 | - |
| 22 | Peptic Ulcer | ... | ... | 2 | - |
| 23 | Diarrhoea | ... | ... | 1 | 1 |
| 24 | Appendicitis | ... | ... | 1 | 2 |
| 25 | Cirrhosis of Liver | ... | ... | 1 | - |
| 26 | Other Diseases of the Liver | ... | ... | 1 | - |
| 27 | Other Digestive Diseases | ... | ... | 3 | 1 |
| 28 | Acute and Chronic Nephritis | ... | ... | 5 | 8 |
| 29 | Puerperal Sepsis | ... | ... | - | 1 |
| 30 | Other Puerperal Causes | ... | ... | - | - |
| 31 | Congenital Debility, Premature Birth, Malformations, etc. | ... | ... | 6 | 3 |
| 32 | Senility | ... | ... | 6 | 7 |
| 33 | Suicide | ... | ... | 4 | 1 |
| 34 | Other Violence | ... | ... | 10 | 3 |
| 35 | Other Defined Diseases | ... | ... | 11 | 8 |
| 36 | Causes ill-defined or unknown | ... | ... | - | - |
| TOTALS | | | | 158 | 150 |

SECTION B. — GENERAL PROVISION OF HEALTH SERVICES OF THE AREA.

1. Staff of the Health Department.

This is shewn at the beginning of the Report, page 3.

2. (a) Laboratory facilities.

These are available for the examination of throat and nose swabs, sputum, etc., at the Public Health Department, Council Offices, Cleethorpes, to which address all specimens should be sent.

(b) Ambulance facilities.

Removal by ambulance is an inclusive charge of the Infectious Disease Hospital receiving the case. Non-infectious and accident cases may be removed by the Borough Council's Ambulance, when a charge is made according to mileage. Ambulance facilities are adequate.

(c) Nursing at Home.

The Borough provide the services of a nurse for selected cases of Infectious Disease (including Pneumonia) which for special reasons may be required to be nursed at home.

The Lindsey County Council provide the services of a nurse for cases of Ophthalmia Neonatorum to be nursed at home, when requested by General Practitioners.

(d) Clinics.

The Lindsey County Council from the Clinic, St. Hugh's Avenue, Cleethorpes, provide the following specialist and consultant services :

Clinics, St. Hugh's Avenue, Cleethorpes.

| CLINIC. | DAY. | HOURL. |
|-------------------------------|--|------------|
| Tuberculosis | Wednesday | 2 p.m. |
| School | Wednesday | 9-30 a.m. |
| School Nurse attends | Monday, Wednesday and Thursday | 9-30 a.m. |
| | Tuesday and Friday | 2 p.m. |
| Eye | Friday (by appointment) | 10 a.m. |
| Infant Welfare | Monday and Thursday | 2 p.m. |
| Ante Natal | Tuesday | 9-30 a.m. |
| Specialist (Female) Treatment | Thursday | 10-30 a.m. |
| Orthopaedic | 4th Monday of month by appointment | 2-30 p.m. |
| Massage | Monday and Thursday | 10 a.m. |
| U.V.R. | Monday and Thursday | 10 a.m. |
| Dental | Daily | 9-30 a.m. |
| Rheumatism & Heart | 3rd Wednesday of Month (by appointment) | 2 p.m. |

(e) Hospitals.

As from 1st April, 1936, the Corporation have utilised the Osgodby Hospital for Infectious Diseases, which Hospital is administered under a Joint Board on which the Corporation is represented. This provision is adequate for the present requirements of the Borough. An arrangement has been made with the Medical Officer of the County Borough of Grimsby for cases requiring urgent treatment to be admitted to the Grimsby Corporation Hospital, Scarthoe.

Cleethorpes Maternity Home, Mill Road, Cleethorpes.

By the courtesy of the County Medical Officer of Health the following report on this Home is given.

| | | |
|------|--|--|
| 1. | Name and address of the Institution. | County Maternity Home, Cleethorpes, Lincs. Tel. 61461. |
| 2. | Number of Maternity Beds in the Institution. (exclusive of isolation and labour beds) | 16 |
| 3. | Number of maternity cases admitted during the year | 291 |
| 4. | Average duration of stay | 14 days |
| 5. | Number of cases delivered by | |
| | (a) Midwives | 197 |
| | (b) Doctors | 67 |
| 6. | Number of cases in which medical assistance was sought by a midwife in emergency. | 37 |
| 7. | Number of cases notified as | |
| | (a) puerperal fever | Nil |
| | (b) puerperal pyrexia | 2 |
| 8. | Number of cases of pemphigus neonatorum | Nil |
| 9. | Number of infants not entirely breast fed while in the Institution | 28 |
| 10. | Number of cases notified as ophthalmia neonatorum | Nil |
| 11. | (a) Number of maternal deaths | Nil |
| | (b) Cause of death in each case | Nil |
| 12a. | Number of infant deaths: | |
| | (a) stillborn | 17 |
| | (b) within 10 days of birth | 2 |
| 12b. | Cause of death in each case and results of post-mortem examination (if obtainable): | |

Still births.

Neo-Natal Deaths.

Prolonged labour and difficult
delivery:-
(Emergency cases) 3
Intra-cranial haemorrhage (breech)
1 case.
Perforation of Hydrocephalus,
breech - 1 case.
Ante-partum haemorrhage - 4 cases
Macerated - 3
Cause unknown 3
Prematurity 2

Internal haemorrhage - 1 case
Congenital malformation of
small intestine - 1 case.
Post-mortem examinations not
carried out.

The Grimsby and District Hospital (voluntary) acts as the
General Hospital for the area.

SECTION C. -- SANITARY CIRCUMSTANCES OF THE AREA.

1. (1) Water Supply.

There has been no important extension, except for the laying of new mains to meet the demands of the expansion of the district.

The water supply has been satisfactory both as regards quality and quantity. The supply is by pipe from the Grimsby, Cleethorpes and District Joint Water Board.

Arrangements have been made for the supply to be controlled by monthly bacteriological examination and chemical analysis of samples taken from the source of supply.

The result of these examinations is supplied to the Medical Officer of Health. A report of a recent examination is as follows :

J. A. FOSTER, F.I.C., F.C.S.,
Public Analyst.

The County Laboratories,
23, Chapel Lane,
Hull.

Certificate of Analysis.

Sample (Cleethorpes)

has been examined with the following results :-

| | Parts per million. |
|------------------------------|--------------------|
| Free Ammonia | 0.002 |
| Albuminoid Ammonia | 0.006 |
| Chlorine | 33.000 |
| Nitrogen as Nitrates | Nil |
| Total Solids | 316.000 |
| Temporary Hardness (Clark's) | 18.80° |
| Permanent do do | 3.90° |
| Total do do | 22.70° |

Bacteriological Examination :-

Colonies per 1 m.l. on Nutrient Gelatine after 48 hours Nil
Colonies per 1 m.l. on Nutrient Gelatine after 72 hours 12
(including 2 Moulds).
B. Coli in 100 m.l. Negative.

(signed) J. A. FOSTER, F.I.C., F.C.S.,
Borough Analyst.

| | | |
|------------------------------------|---|--------|
| Wells | (New sunk | Nil |
| | (Cleansed, repaired | Nil |
| | (Closed as polluted | Nil |
| Public Supply | (Area supplied :- Whole area except 50 houses in North Sea Lane and Humberston Road district. | |
| | (Percentage of houses supplied | 99.39% |
| Any insufficiency and where | | Nil |

(2) Sewers.

During the year new sewers have been laid in Queen Mary Avenue, Park View, Elliston Street, and King's Road.

The total length of new sewers laid in the district during the year was 1,028 yards. The system of sewage disposal is by discharge into the River Humber.

| | | | |
|--|-----|-----|-----|
| Drains examined, tested, exposed, etc. | ... | ... | 124 |
| Drains unstopped repaired, trapped, etc | ... | ... | 117 |
| Waste pipes, rain water pipes disconnected, repaired, etc. | ... | ... | 47 |
| New soil pipes or ventilating shafts fixed | ... | ... | 73 |
| Existing soil pipes or ventilating shafts repaired | ... | ... | 3 |
| Drains reconstructed | ... | ... | Nil |
| Drain Inspection Chambers constructed | ... | ... | 67 |
| Drain Inspection Chambers repaired | ... | ... | 10 |

2. Rivers and Streams.

A small stream - The Buck Beck - which is polluted, discharges on the Foreshore.

3. (i) Closet Accommodation.

| | | | |
|---|-----|-----|-------|
| Number of houses with privy vaults in district | ... | ... | Nil |
| Number of houses with pail closets in district (excluding Beacholme Holiday Camp) | ... | ... | 23 |
| Number of pail closets repaired | ... | ... | Nil |
| Number of pail closets substituted for privy vaults | ... | ... | Nil |
| Number of houses with water closets in district | ... | ... | 8,138 |
| Number of water closets substituted for dry receptacles | ... | ... | 3 |
| Number of water closets repaired | ... | ... | 48 |

Cesspools.

| | | | | |
|-----------------------------------|-----|-----|-----|-----|
| Cesspools rendered impervious | ... | ... | ... | Nil |
| Cesspools emptied, cleansed, etc. | ... | ... | ... | 3 |
| Cesspools abolished | ... | ... | ... | Nil |
| New cesspools constructed | ... | ... | ... | Nil |

(ii) Public Cleansing.

| | | | | |
|--|---------------------------|-----|-----|-------|
| Number of covered ashpits | ... | ... | ... | Nil |
| Number of uncovered ashpits | ... | ... | ... | Nil |
| Number of bins substituted for ashpits | ... | ... | ... | Nil |
| Number of houses with ashpit accommodation | ... | ... | ... | 22 |
| Number of houses using bins | ... | ... | ... | 8,161 |
| Is refuse removed by householders or Public Scavenger? | — By Corporation's Staff. | | | |

How frequently is refuse removed from each house?

— Weekly in winter and twice a week in summer in certain areas.

| | | | |
|---|-----|-----|-----|
| Number of complaints for non-removal | ... | ... | Nil |
| Method of final disposal— Separation and Destructor Plant, Tip, and on farm land. | | | |
| Are existing arrangements for refuse removal satisfactory. | Yes | | |

Cleansing Service.

The following particulars of the operations of the Cleansing Department relate to the year ended 31st March, 1940.

The service has been extended to collect from all new properties erected in 1939.

Refuse Collection.

Collections of houses and trade refuse were made at the following properties :-

| | | | | |
|----------------------------|-----|-----|-----|------|
| Dwelling Houses | ... | ... | ... | 8162 |
| Business Premises | ... | ... | ... | 775 |
| Public and other Buildings | ... | ... | ... | 27 |

Refuse was collected weekly from properties in the Borough and during the season 1260 twice-weekly collections were made from a number of business premises.

The cleansing of pail closets was undertaken weekly at 21 houses in the Humberston area.

Special attention was paid to the Camping Ground in North Sea Lane during the season in extra collections of refuse and cleansing of pail closets.

Five motor vehicles owned by the Corporation were employed on refuse collection and seventeen men employed as collectors. Additional labour and transport were engaged as required.

4849 loads of the collected refuse were weighed at the Depot.

The loads and estimated weight of the refuse collected were :-

| | Loads. | Tons. |
|------------------------|-------------|-------------|
| By Motor vehicle | 6919 | 6811 |
| By Horse-drawn vehicle | <u>300</u> | <u>226</u> |
| | <u>7219</u> | <u>7037</u> |

This was an estimated decrease of 125 tons on the previous year.

Average weight per motor load ... 19 $\frac{3}{4}$ cwt.

Average weight per horse-drawn load ... 15 cwt.

Average weight collected per house (including business premises and public buildings) per annum ... 15 $\frac{1}{2}$ cwt.

Average number of houses (including business premises and public buildings) scavenged to the ton ... 66

Weight in cwt. per 1000 population per day 13.4

Trade Refuse.

A charge of threepence per bin is made for collection and disposal of this type of refuse and the sum of £15. 0s. 0d. has been received in this respect during the year.

Trade refuse estimated at 279 tons was also brought by local tradesmen to the destructor. No charge was made for disposing of this refuse.

Garden Refuse.

A considerable quantity of grass and garden litter was collected along with house refuse and a large amount was also brought to the depot. This class of refuse is increasing yearly.

Refuse Disposal.

The 7037 tons of collected house and trade refuse were disposed of as follows :

5358 tons to Disposal Works.
1623 tons to Humberston Land.
56 tons to Farmland.

232 loads of departmental refuse estimated at 75 tons were brought to the Destructor.

Ash and clinker estimated at 866 tons were disposed of in the Depot Pit.

A four cell Destructor with a refuse Separation Plant is installed at the Disposal Works. Repairs and various works were carried out to maintain the plant in good state of repair during the year.

Seven men were employed on refuse disposal work and extra labour was engaged as required to cope with additional refuse.

Land Reclamation.

Refuse was taken to Humberston land from 1st April to the 25th May and from the 26th September to the 31st March, and was disposed of by Controlled Tipping. Since 1936 a bank has been formed by this means alongside the Marine Wall 610 yards in length, 15 yards in width and two yards in depth.

Salvage.

The receipts of the recovered materials and by-products, sold amounted to £182 8s. 1d. Particulars are set out below:

| | | | | Materials sold | | | Receipts | | |
|------------------|-----|-----|-----|----------------|-------|------|----------|-----|-----|
| | | | | Tons | Cwts. | Lbs. | £. | s. | d. |
| Baled scrap tins | ... | ... | ... | 53 | 18 | - | 53. | 8. | 4. |
| Mixed scrap iron | ... | ... | ... | 12 | 3 | - | 19. | 0. | 0. |
| Scrap aluminium | ... | ... | ... | | 7 | 81 | 13. | 19. | 7. |
| Scrap brass | ... | ... | ... | | 10 | - | 6. | 7. | 1. |
| Scrap lead | ... | ... | ... | | 2 | 66 | 1. | 9. | 7. |
| Galvanised scrap | ... | ... | ... | 5 | 15 | - | 1. | 8. | 9. |
| Rags and Wools | ... | ... | ... | 3 | 12 | 98 | 18. | 4. | 3. |
| Cinders | ... | ... | ... | 51 | - | - | 10. | 4 | 0. |
| Ash | ... | ... | ... | 136 | 5 | - | 6. | 16. | 3. |
| Clinker | ... | ... | ... | 19 | 5 | - | | 19. | 3. |
| Pig food | ... | ... | ... | 4 | 10 | - | 3. | 15. | 0. |
| Bones | ... | ... | ... | | 11 | 56 | 1. | 3. | 0. |
| Jars | ... | ... | ... | 1,735 | dozen | | 28. | 18. | 4. |
| Bottles | ... | ... | ... | 532 | dozen | | 15. | 10. | 4. |
| Miscellaneous | ... | ... | ... | | | | 1. | 4. | 4. |
| | | | | | | | £182. | 8. | 1d. |

Costs.

House and trade refuse collection and disposal costs for the year ended 31st March, 1940, were as follows:-

| Item | Particulars | Collection | | | Disposal | | | Total | | |
|---|-------------|------------|----|--------------------------------|----------|----|--------------------------------|-------|----|--------------------------------|
| | | £. | s. | d. | £. | s. | d. | £. | s. | d. |
| A. Gross Expenditure | ... | 3841 | 0 | 0 | 2274 | 0 | 0 | 6115 | 0 | 0 |
| B. Gross Income | ... | 15 | 0 | 0 | 182 | 8 | 1 | 197 | 8 | 1 |
| C. Nett Costs | ... | 3826 | 0 | 0 | 2091 | 11 | 11 | 5917 | 11 | 11 |
| D. Gross Expenditure per ton | | | 10 | 11 | | 6 | 13 ³ / ₄ | | 17 | 0 ³ / ₄ |
| E. Gross Income per ton | ... | | | ¹ / ₂ | | 6 | | | | 6 ¹ / ₂ |
| F. Nett Costs per ton | ... | | 10 | 10 ¹ / ₂ | | 5 | 7 ³ / ₄ | | 16 | 6 ¹ / ₄ |
| G. Nett Costs per 1000 pop'lacion | | 133 | 3 | 5 | 72 | 15 | 7 ¹ / ₂ | 205 | 19 | 0 ¹ / ₂ |
| H. Nett Costs per head | ... | | 2 | 7 ³ / ₄ | | 1 | 5 ¹ / ₂ | | 4 | 1 ¹ / ₄ |
| I. Nett Costs per 1000 houses | | 426 | 16 | 4 ¹ / ₄ | 233 | 5 | 4 | 660 | 1 | 8 ¹ / ₄ |
| J. Nett Costs per house | ... | | 8 | 6 ¹ / ₄ | | 4 | 8 | | 13 | 2 ¹ / ₄ |
| K. Nett Costs equivalent rate in the £. | | | | 6 ³ / ₄ | | | 3 ³ / ₄ | | | 10 ¹ / ₂ |
| L. Percentage of K to total rates in the £. | | | | 4.02% | | | 2.23% | | | 6.25% |

Disposal Costs.

| | | | | |
|---------------------|-----|-----|-----|---|
| At Destructor Works | ... | ... | ... | 7/0 ¹ / ₂ per ton |
| At Humberston Land | ... | ... | ... | 2/5 ¹ / ₄ per ton |

Refuse Receptacles.

The whole of the houses in the Borough are provided with dust bins with the exception of 22 houses having ashpit accommodation.

275 Dust Bins were provided by owners of properties in replacement of defective receptacles following informal or formal notices.

Gully Cleansing.

Two men were employed, part time, on this work. Street and Passage Gullies in the Borough were cleansed at regular intervals.

The gullies at the elementary schools were cleansed as in previous years.

| | | | | |
|---------------------------|-----|-----|-----|-------|
| Number of Street Gullies | ... | ... | ... | 2,395 |
| Number of Passage Gullies | ... | ... | ... | 887 |
| Number of School Gullies | ... | ... | ... | 285 |

The work was carried out as follows :-

| | | | | |
|--------------------------|-----|-----|-----|--------|
| Street Gully Cleansings | ... | ... | ... | 21,659 |
| Passage Gully Cleansings | ... | ... | ... | 8,378 |
| School Gully Cleansings | ... | ... | ... | 285 |

383 tumbler-cart loads of refuse were removed from the Gullies cleansed.

The costs of the work for the year were :-

£205 for Street Gully Cleansing.

£103 for Passage Gully Cleansing.

£3 for School Gully Cleansing.

The cost per 1,000 street gullies cleansed was £9. 7s. 6d., the cost per 1,000 population £7. 2s. 8½d., the cost equivalent rate in the £ — .37d., and the cost per street gully cleansed 2¼d.

Passage Cleansing.

Passages in the Borough total 469 and the cleansing is regularly carried out. One man is employed as passage sweeper and 417 hand cart loads of refuse were removed. During the Season, passages in the centre of the town received attention twice weekly in consequence of the large amount of litter.

The cost of this work for the year was £110.

Public Conveniences.

The Public Conveniences of the Corporation total 29.

Depot Weighbridge.

The Corporation has a 20 ton weighbridge at the Poplar Road Depot. This is for Public and Departmental use. The duties in connection with the weigh-office are undertaken in conjunction with the Cleansing Department.

The receipts for Public Weighings amounted to £6. 14s. 2d.

The Weighbridge was used on 6,090 occasions, as follows:—

| | | | |
|--|-----|-----|-------|
| Weighings for Cleansing Department | ... | ... | 4,895 |
| Weighings for Highways and other Departments | | | 951 |
| Public Weighings | ... | ... | 244 |

Sanitary Inspection of the Area.

Movable Dwellings, Tents, Vans, etc.

| | | | | |
|---|-----|-----|-----|-----|
| Number inspected during the year | ... | ... | ... | 139 |
| Number of breaches of bye-laws | ... | ... | ... | Nil |
| Number of nuisances therefrom abated | ... | ... | ... | 16 |
| Number removed from the district | ... | ... | ... | Nil |
| Vans in district at end of year | ... | ... | ... | 4 |
| Vans in district at end of year in occupation | ... | ... | ... | 2 |

Offensive Trades.

Number of premises in the District:— 41

| | | | | | |
|-------------------------|-----|-----|-----|-----|----|
| (a) Fried Fish Shops | ... | ... | ... | ... | 38 |
| (b) Fat Melters | ... | ... | ... | ... | 2 |
| (c) Rabbit Skin Drier | ... | ... | ... | ... | 1 |
| Contraventions | ... | ... | ... | ... | 3 |
| Contraventions remedied | ... | ... | ... | ... | 3 |
| Number of inspections | ... | ... | ... | ... | 88 |

There are no Bye-laws in operation.

Closet Accommodation

No conversions were carried out during the year.

The first part of the report is devoted to a general description of the project and its objectives. It is followed by a detailed account of the work done during the period covered by the report. The results of the work are then presented, and a conclusion is drawn from the findings.

The second part of the report is devoted to a detailed description of the work done during the period covered by the report. It is followed by a detailed account of the work done during the period covered by the report. The results of the work are then presented, and a conclusion is drawn from the findings.

The third part of the report is devoted to a detailed description of the work done during the period covered by the report. It is followed by a detailed account of the work done during the period covered by the report. The results of the work are then presented, and a conclusion is drawn from the findings.

The fourth part of the report is devoted to a detailed description of the work done during the period covered by the report. It is followed by a detailed account of the work done during the period covered by the report. The results of the work are then presented, and a conclusion is drawn from the findings.

FACTORIES AND WORKPLACES

1. - INSPECTION.

Inspections made by Sanitary Inspectors.

| Premises (1) | Number of | | |
|---|--------------------|---------------------------|---------------------|
| | Inspections (2) | Written Notices (3) | Prosecutions (4) |
| FACTORIES | 159 | 82 | Nil |
| WORKPLACES (Other than outworkers' premises) | 24 | - | Nil |
| Totals | 183 | 82 | Nil |

2. DEFECTS FOUND.

| Particulars (1) | Number of Defects | | | No of Prosecu- tions (5) |
|--|-------------------|----------------------|---|-----------------------------------|
| | Found (2) | Reme- died (3) | Referred to H.M. Inspector (4) | |
| Nuisances under the Public Health Acts | | | | |
| Want of Cleanliness | 6 | 5 | - | - |
| Want of Ventilation | - | - | - | - |
| Overcrowding | - | - | - | - |
| Want of drainage of floors | - | - | - | - |
| Other Nuisances | - | - | - | - |
| Sanitary Insufficient | - | - | - | - |
| Accommo- Unsuitable | 2 | 2 | - | - |
| dation Not separate for Sexes | - | - | - | - |
| Offences under the Factory and Workshop Acts | - | - | - | - |
| Illegal occupation of underground | - | - | - | - |
| Bakehouses (S.101) | - | - | - | - |
| Other Offences | - | - | - | - |
| (Excluding offences relating to outwork) | - | - | - | - |
| Totals ... | 8 | 7 | - | - |

BAKEHOUSES.

| | | | |
|---|-----|-----|-----|
| Number in district | ... | ... | 40 |
| Number of underground bakehouses | ... | ... | Nil |
| Number of inspections | ... | ... | 152 |
| Contraventions of Factory Acts | ... | ... | 5 |
| Defects remedied | ... | ... | 4 |

Eradication of Bed Bugs.

14 houses none of which were Council houses were found to be infested with bed bugs during the year and disinfection by fumigation and spraying was carried out in each case.

In many instances the owner or occupier was advised to strip and carefully remove and burn all wall paper. All removable woodwork such as mouldings, architraves and skirtings were eased or entirely removed and the room thoroughly sprayed prior to fumigation. The infestations were generally of a mild character but upon subsequent re-inspections it was deemed advisable to again carry out fumigation and spraying in some of the houses.

Investigations were made regarding the possible infestation of furniture and other belongings of incoming tenants to Council houses and in no case was it found necessary to carry out disinfection.

The actual work of disinfection is carried out by the Health Department but the removal and replacement of all woodwork, etc., is carried out by the owner or occupier.

Several of the dwelling houses which have been subjected to fumigation are frequently re-visited and the owners and occupiers advised thereon.

4. School Medical Services.

Report by the Medical Officer of Health who acts as Assistant School Medical Officer to the Lindsey County Council.

I am indebted to the County Medical Officer of Health for permission to include the following details.

The hygienic conditions of the schools in the Borough are satisfactory.

The consumption of milk in schools continues to increase with the help of the teachers who recommend certain children for a supply of free milk.

A marked improvement in the general condition of children in receipt of milk daily is seen practically without exception.

There is no Open Air School and there are no Nursery Schools or Nursery Classes for children under 5 years of age in the Borough.

The number of elementary and secondary school children inspected during the year is shown in the following table:

Routine School Medical Inspection (exclusive of special and supervisory examinations).

Nil inspected.

SECTION D.- HOUSING.

1. Inspection of Dwelling Houses during the year —

| | | | | | |
|----------|---|--|-----|-----|-------|
| (1). (a) | Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) | ... | ... | ... | 769 |
| | (b) | Number of inspections made for the purpose | | | 2,360 |
| (2). (a) | Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 | ... | ... | ... | 586 |
| | (b) | Number of inspections made for the purpose | | | 926 |
| (3). | Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation | ... | ... | ... | Nil |
| (4) | Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation | ... | ... | ... | 399 |

2. Remedy of Defects during the year without serving of formal notices—

| | | | | | |
|--|---|-----|-----|-----|-----|
| | Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers | ... | ... | ... | 303 |
|--|---|-----|-----|-----|-----|

3. Action under Statutory Powers during the year—

(a) Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936.

| | | | | | |
|-----|---|-----|-----|-----|-----|
| (1) | Number of dwelling-houses in respect of which notices were served requiring repairs | ... | | | 9 |
| (2) | Number of dwelling-houses which were rendered fit after service of formal notices— | | | | |
| | (a) By Owners | ... | ... | ... | 5 |
| | (b) By Local Authority in default of Owners | | | | Nil |

(b) Proceedings under the Public Health Acts.

| | | | | | |
|-----|--|-----|-----|-----|-----|
| (1) | Number of dwelling-houses in respect of which notices were served requiring defects to be remedied | ... | ... | ... | 5 |
| (2) | Number of dwelling-houses in which defects were remedied after service of formal notices.— | | | | |
| | (a) By Owners | ... | ... | ... | 6 |
| | (b) By Local Authority in default of Owners | | | | Nil |

(c) Proceedings under Sections 11 and 13 of the Housing Act, 1936.

| | |
|--|-----|
| (1) Number of dwelling-houses in respect of which Demolition Orders were made | Nil |
| (2) Number of dwelling-houses demolished in pursuance of Demolition Orders | Nil |

(d) Proceedings under Section 12 of the Housing Act, 1936.

| | |
|--|-----|
| (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made... | Nil |
| (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit... | Nil |

Nuisances.

| | |
|---|-----|
| Total number of nuisances during the year ... | 423 |
| (1) Abated as result of informal action by Sanitary Inspectors | 430 |
| (2) Reported to Council | 91 |
| Statutory Notices issued | 14 |

Details of Nuisances Abated

| | After Informal Intimation. | After Statutory Notice. |
|---|----------------------------|-------------------------|
| Overcrowding | 3 | - |
| Smoke | - | - |
| Accumulation of refuse and manure | 2 | - |
| Foul ditches, ponds & stagnant water | 11 | - |
| Foul pigs and other animals | - | - |
| Dampness | 176 | 27 |
| Yards, repaved or repaired | 105 | 2 |
| Other nuisances | 133 | 6 |

4. Housing Act, 1936.— Part IV. Overcrowding.

| | |
|--|-----|
| (a).-(1) Number of dwellings overcrowded at end of year ... | 3 |
| (2) Number of families dwelling therein | 3 |
| (3) Number of persons dwelling therein | 35 |
| (b).- Number of new cases of overcrowding reported during the year | Nil |
| (c).-(1) Number of cases of overcrowding relieved during the year | 2 |
| (2) Number of persons concerned in such cases | 26 |
| (d).- Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding. | 1 |

SECTION E. INSPECTION AND SUPERVISION OF FOOD.

(a) Milk Supply.

Cowhouses and Cowsheds.

| | | | | |
|----------------------------------|-----|-----|-----|-----|
| Number on register | ... | ... | ... | 5 |
| Number of inspections | ... | ... | ... | 31 |
| Contraventions of Regulations | ... | ... | ... | Nil |
| Contraventions remedied | ... | ... | ... | Nil |
| Number of milch cows in district | ... | ... | ... | 111 |

Dairies and Milkshops.

| | | | | |
|--|-----|-----|-----|-----|
| Number on register | ... | ... | ... | 30 |
| Number of inspections | ... | ... | ... | 90 |
| Contraventions of Regulations | ... | ... | ... | 5 |
| Contraventions remedied | ... | ... | ... | 3 |
| Any disease attributed to milk during the year | ... | ... | ... | Nil |

The Food and Drugs Act and Milk and Cream Regulations are administered by the County Police.

Bacteriological Examination of Milk Supplies.

| Date | No. of Sample | Kind of Milk | B.Coli in 1/100 m.l. | Methylene Blue decolourised in | Remarks. |
|----------|---------------|--------------|----------------------|--------------------------------|----------------|
| 13 1 39 | 1 | Accredited | Absent | 5½ hours | Satisfactory |
| 13 1 39 | 2 | Accredited | Absent | 5½ hours | Satisfactory |
| 13 1 39 | 3 | Accredited | Absent | 5½ hours | Satisfactory |
| 9 2 39 | 4 | Accredited | Absent | 4 hours | Unsatisfactory |
| 9 2 39 | 5 | Accredited | Absent | 5½ hours | Satisfactory |
| 14 2 39 | 6 | Accredited | Absent | 5½ hours | Satisfactory |
| 5 4 39 | 7 | Accredited | Absent | 5½ hours | Satisfactory |
| 5 4 39 | 8 | Accredited | Absent | 5½ hours | Satisfactory |
| 5 4 39 | 9 | Accredited | Absent | 5½ hours | Satisfactory |
| 6 4 39 | 10 | Accredited | Absent | 5½ hours | Satisfactory |
| 6 4 39 | 11 | Accredited | Absent | 5½ hours | Satisfactory |
| 7 7 39 | 12 | Accredited | Absent | 4½ hours | Satisfactory |
| 2 8 39 | 13 | Accredited | Present | 4 hours | Unsatisfactory |
| 2 8 39 | 14 | Accredited | Absent | 4½ hours | Satisfactory |
| 2 8 39 | 15 | Accredited | Present | 4 hours | Unsatisfactory |
| 2 8 39 | 16 | Accredited | Present | 2 hours | Unsatisfactory |
| 2 8 39 | 17 | Accredited | Present | 2 hours | Unsatisfactory |
| 29 11 39 | 18 | Accredited | Absent | 5½ hours | Satisfactory |
| 29 11 39 | 19 | Accredited | Absent | 5½ hours | Satisfactory |
| 29 11 39 | 20 | Accredited | Absent | 5½ hours | Satisfactory |
| 9 12 39 | 21 | Accredited | Present | ----- | Unsatisfactory |

(b) Meat.

SLAUGHTERHOUSES.

| | | | |
|--|-----|-----|-----|
| Number on register, December, 1939 | ... | ... | 7 |
| Number of inspections | ... | ... | 875 |
| Contraventions of bye-laws | ... | ... | 1 |
| Defects remedied | ... | ... | 1 |
| Breaches of P. H. (Meat) Regulations, 1924 | ... | ... | Nil |

| | Cattle exclud- ing Cows. | Cows. | Calves | Sheep & Lambs | Pigs |
|--|-----------------------------------|--------|--------|------------------|--------|
| Number killed (if known) | - | - | - | - | - |
| Number Inspected ... | 276 | 39 | 9 | 1,600 | 528 |
| ALL DISEASES, EXCEPT TUBERCULOSIS | | | | | |
| Whole Carcases condemned | - | - | - | - | 2 |
| Carcases of which some part or organ was condemned | 11 | 7 | - | - | 12 |
| Percentage of the number In- spected affected with Dis- ease other than Tuberculosis | 3.98% | 17.9% | - | - | 2.65% |
| TUBERCULOSIS ONLY | | | | | |
| Whole carcasses condemned | - | - | - | - | 3 |
| Carcasses of which some part or organ was condemned | 28 | 10 | - | - | 57 |
| Percentage of the number inspected affected with Tuberculosis ... | 10.14% | 25.64% | - | - | 11.36% |

South Africa

General Secretary, African National Congress

100, Victoria Road, Johannesburg

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NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING THE YEAR 1939.

| Disease | Total Cases Notified | Cases Admitted To Hospital | Total Deaths |
|-----------------------|----------------------|----------------------------|--------------|
| Small Pox ... | - | - | - |
| Scarlet Fever | 41 | 22 | - |
| Diphtheria ... | 51 | 50 | 2 |
| Pneumonia ... | 19 | 1 | 6 |
| Acute Poliomyelitis | - | - | - |
| Ophthalmia Neonatorum | 4 | - | - |
| Puerperal Pyrexia | 7 | 4 | 1 |
| Erysipelas ... | 9 | - | - |
| Totals | 131 | 77 | 9 |

Cases of Infectious Disease in age groups.

| Notifiable Disease | Under 1 year | 1 to 2 | 2 to 3 | 3 to 4 | 4 to 5 | 5 to 10 | 10 to 15 | 15 to 20 | 20 to 35 | 35 to 45 | 45 to 65 | 65 and over | Totals |
|-----------------------|--------------|--------|--------|--------|--------|---------|----------|----------|----------|----------|----------|-------------|--------|
| Scarlet Fever ... | - | - | 4 | 3 | 5 | 19 | 7 | 1 | 2 | - | - | - | 41 |
| Diphtheria ... | - | 2 | - | 3 | 5 | 21 | 10 | 7 | 1 | 2 | - | - | 51 |
| Pneumonia ... | 1 | 1 | - | - | 2 | - | 1 | - | 5 | 4 | 4 | 1 | 19 |
| Acute Poliomyelitis | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ophthalmia Neonatorum | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 |
| Puerperal Pyrexia | - | - | - | - | - | - | - | - | 4 | 3 | - | - | 7 |
| Erysipelas ... | - | - | - | - | - | - | - | 1 | 1 | 1 | 5 | 1 | 9 |
| Totals | 5 | 3 | 4 | 6 | 12 | 40 | 18 | 9 | 13 | 10 | 9 | 2 | 131 |

HOSPITAL TREATMENT.

Cases removed to Isolation Hospital in their respective Wards.

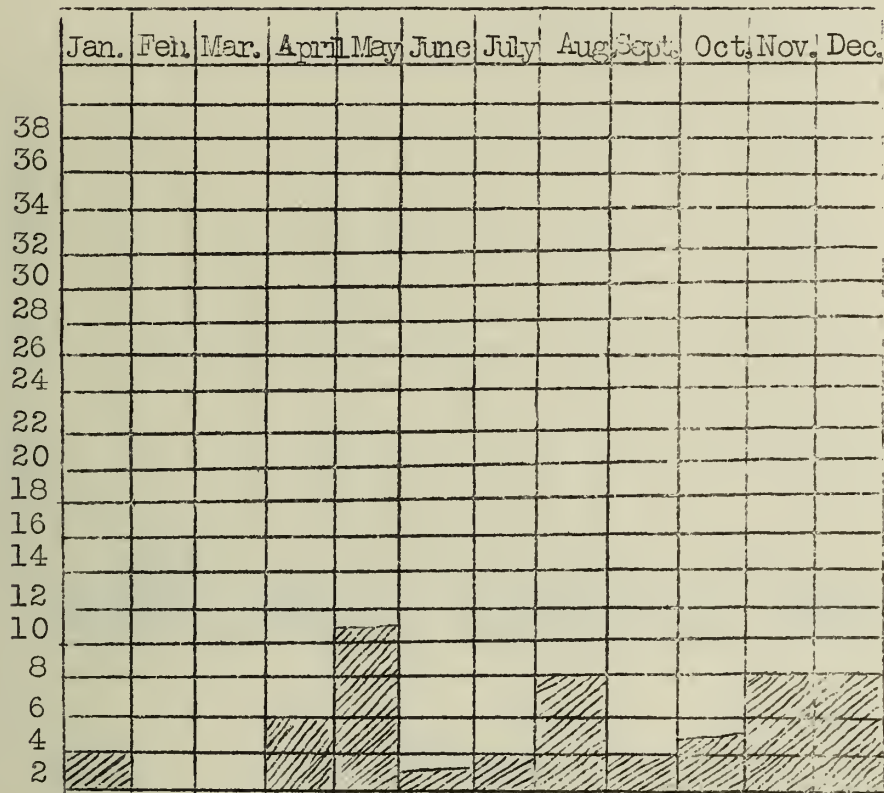
| Notifiable Diseases | North | Sidney | Central | Alex'dra | South | Totals. |
|---------------------|-------|--------|---------|----------|-------|---------|
| Scarlet Fever ... | 6 | 5 | 7 | 2 | 2 | 22 |
| Diphtheria ... | 7 | 8 | 9 | 10 | 16 | 50 |
| Puerperal Pyrexia | - | - | 1 | - | 3 | 4 |
| Pneumonia ... | - | - | - | - | 1 | 1 |
| Totals | 13 | 13 | 17 | 12 | 22 | 77 |

Cases removed to Isolation Hospital in their respective months.

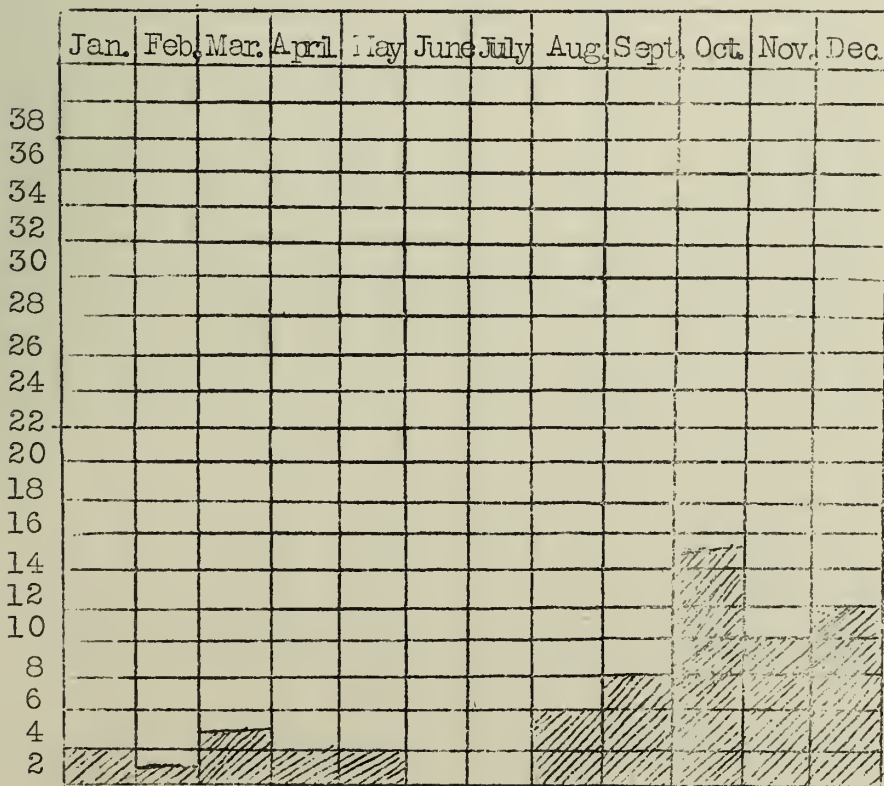
| | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Totals |
|-------------------|------|------|------|-------|-----|------|------|------|-------|------|------|------|--------|
| Scarlet Fever | - | - | - | 3 | 5 | - | - | 3 | 2 | 2 | 2 | 5 | 22 |
| Diphtheria | 2 | 1 | 3 | 2 | 2 | - | - | 4 | 6 | 12 | 8 | 10 | 50 |
| Puerperal Pyrexia | - | 1 | - | - | - | - | 2 | 1 | - | - | - | - | 4 |
| Pneumonia ... | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 |
| Totals | 2 | 3 | 3 | 5 | 7 | - | 2 | 8 | 8 | 14 | 10 | 15 | 77 |

INCIDENCE of Principal NOTIFIABLE DISEASES in 1939.

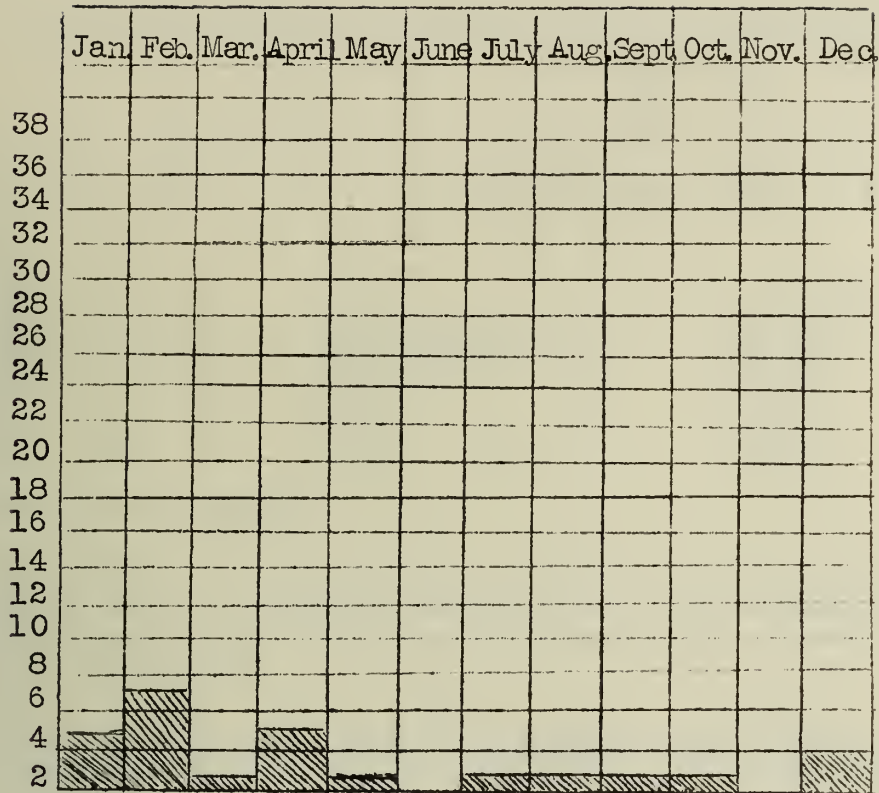
Scarlet Fever.



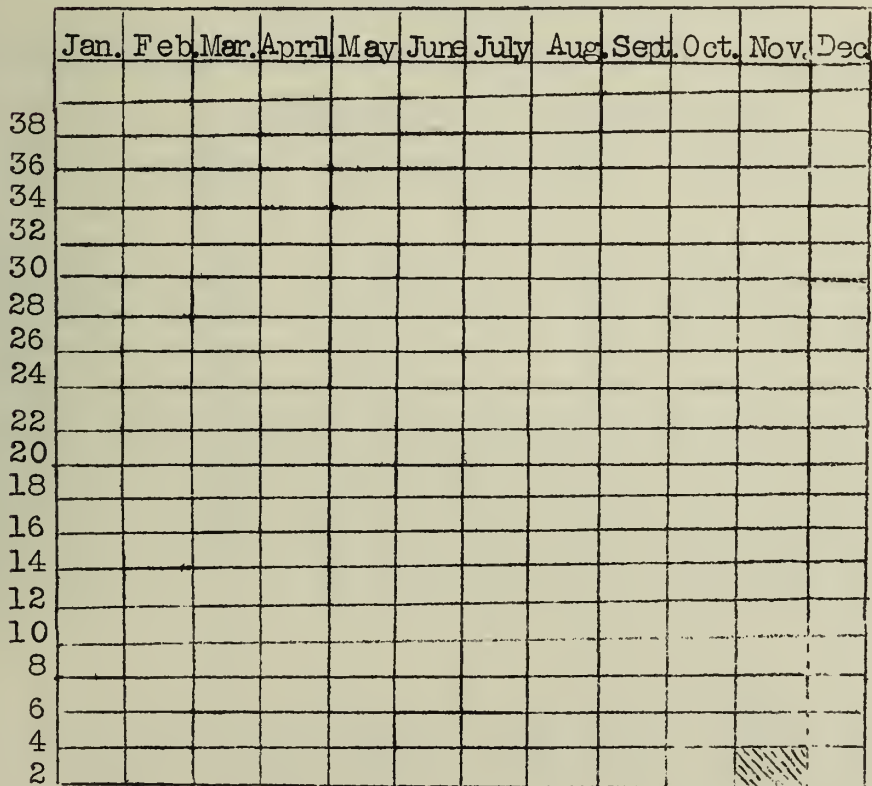
Diphtheria.



Pneumonia.



Measles.



Notification of Measles commenced 23rd October, 1939.

2. Cancer.- The following figures relating to the deaths from Cancer in the Borough are appended:-

CANCER DEATHS.

| Age | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 | Totals |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Male | 1 | - | - | 1 | 6 | 3 | 8 | 1 | - | 20 |
| Female | 1 | - | - | 6 | 4 | 7 | 8 | 2 | 1 | 29 |
| Totals | 2 | - | - | 7 | 10 | 10 | 16 | 3 | 1 | 49 |

Site:-

| | | | | | | | | |
|---------|-----|---|-----------------|-----|---|----------|-----|---|
| Stomach | ... | 7 | Liver | ... | 3 | Pancreas | ... | 3 |
| Caecum | ... | 1 | Cervical Glands | ... | 1 | Pelvis | ... | 1 |
| Rectum | ... | 4 | Bladder | ... | 5 | Brain | ... | 1 |
| Colon | ... | 2 | Lungs | ... | 9 | Spine | ... | 1 |
| Breast | ... | 7 | Skin | ... | 1 | Uterus | ... | 3 |

3. Prevention of Blindness.

The Lindsey County Council provides for the medical treatment of necessitous blind persons through their Public Health Committee. This includes specialist treatment in connection with blindness or the prevention of blindness.

Other services are provided through the Lindsey Society for the Blind in connection with the education, training, employment and general welfare of blind persons.

4. Tuberculosis.

NOTIFICATION OF TUBERCULOSIS.

| | Pulmonary | | Non-Pulmonary | | Total | |
|---------------|-----------|--------|---------------|--------|-------|--------|
| | Male | Female | Male | Female | Male | Female |
| January ... | - | - | 1 | - | 1 | - |
| February ... | 3 | 1 | - | 2 | 3 | 3 |
| March ... | 2 | 1 | 1 | 1 | 3 | 2 |
| April ... | 1 | 1 | 1 | - | 2 | 1 |
| May ... | 1 | 1 | 1 | 1 | 2 | 2 |
| June ... | - | 2 | - | 1 | 2 | 3 |
| July ... | - | - | - | 1 | - | 1 |
| August ... | - | - | - | - | - | - |
| September ... | 2 | - | - | - | 2 | - |
| October ... | 2 | 1 | 1 | 1 | 3 | 2 |
| November ... | - | - | - | - | - | - |
| December ... | - | 2 | - | 1 | - | 3 |
| Totals ... | 11 | 9 | 5 | 8 | 16 | 17 |

No action has been required under the Public Health (Prevention of Tuberculosis) Regulations, 1925, (relating to persons employed in the milk trade) nor under Section 172 of the Public Health Act, 1936. Ratio of non-notified Tuberculosis deaths is 1-3. The facilities available at the Tuberculosis Dispensary are utilised by the majority of medical practitioners, but the ratio of non-notified Tuberculosis deaths to the notified is a clear indication that the disease is not suspected as frequently as circumstances warrant and therefore many cases are denied the full laboratory investigation afforded by the Tuberculosis Dispensary.

TUBERCULOSIS.
NOTIFICATION AND DEATHS.

| Age Periods | New Cases, 1939. | | | | Deaths, 1939. | | | |
|-----------------|------------------|---------|---------------|---------|---------------|---------|---------------|---------|
| | Pulmonary | | Non-Pulmonary | | Pulmonary | | Non-Pulmonary | |
| | Males | Females | Males | Females | Males | Females | Males | Females |
| Under 1 year | | | | | | | | |
| 1 to 2 years | | | | | | | 1 | |
| 2 to 3 " | | | | | | | | |
| 3 to 4 " | | | 1 | | | | | |
| 4 to 5 " | | | | | | | | |
| 5 to 10 " | | | 1 | | | | | |
| 10 to 15 " | | | | 1 | | | | |
| 15 to 20 " | 1 | | 1 | 2 | | 1 | | |
| 20 to 25 " | | 4 | 2 | 2 | | 1 | | |
| 25 to 35 " | 5 | | | 2 | 1 | 3 | 1 | |
| 35 to 45 " | 2 | 3 | | | 1 | | 1 | 1 |
| 45 to 55 " | 3 | 1 | | | 1 | | | |
| 55 to 65 " | | 1 | | | | 1 | | |
| 65 years & over | | | | 1 | | | | |
| Totals | 11 | 9 | 5 | 8 | 3 | 6 | 3 | 1 |

Tuberculosis Deaths according to Occupation.

| <u>Males</u> | <u>Pulmonary</u> | <u>Non-Pulmonary</u> | <u>Females</u> | <u>Pulmonary</u> | <u>Non-Pulmonary</u> |
|---------------|------------------|----------------------|----------------------|------------------|----------------------|
| Fish dealer | 1 | - | Spinster | 3 | - |
| Dock labourer | - | 1 | Housewife | 1 | 1 |
| Bus driver | 1 | - | Milliner's Assistant | 1 | - |
| No occupation | - | 2 | Factory Worker | 1 | - |
| Salesman | 1 | - | | | |
| | <u>3</u> | <u>3</u> | | <u>6</u> | <u>1</u> |

CLEETHORPES TUBERCULOSIS DISPENSARY.

This Dispensary is conducted by your Medical Officer in his capacity of Assistant County Tuberculosis Officer and serves an area comprising the Borough of Cleethorpes, the Rural District of Grimsby and part of the Rural District of Louth.

During the year 1939, 84 new cases attended the Dispensary of which 37 were definitely tuberculous, 17 not tuberculous and in 30 the diagnosis was not completed. Four cases were written of as "recovered", 36 others were removed as having transferred to other areas or having been lost sight of, or died, leaving 157 cases remaining on the Dispensary register at the end of the year.

The total individual attendances numbered 553.

Tuberculosis After-Care Committee.

An occupational centre with a workshop in St. Hugh's Avenue is maintained by this voluntary Committee; in addition this Committee makes grants toward the supply of extra nourishment in necessitous cases.

An annual grant is made by the Lindsey County Council to augment the funds available for these purposes.

The work done by the association is of an invaluable nature, the workshop providing a means to utilise the lessened working capabilities of selected cases.

There is a ready sale for their productions and the business done has shown a steady increase during 1939.

INFECTIOUS DISEASE.

Report of Bacteriological Examinations carried out during the year, 1939.

| | | | | Total number of Examinations |
|--|-------------------------|-----------|-----------------------------|------------------------------------|
| (1) | Cleethorpes Laboratory | | | |
| | Diphtheria | Diagnosis | Positive 77 Negative 189 | |
| | | Freedom | Positive 2 Negative 24 | |
| | Sputum for Tuberculosis | | Positive 11 Negative 42 | 345 |
| (2) | County Laboratory. | | | |
| | Sputum for Tuberculosis | | Positive 2 Negative 6 | |
| | Haemolytic Streptococci | | Positive 4 Negative 52 | |
| | Other Specimens | | 3 | 67 |
| Total Bacteriological Examinations for Diagnostic Purposes | | | | <u>386</u> |

Report on the Meteorological Conditions Prevailing
at Cleethorpes during 1939.

LEONARD W. PYE, A.M. Inst. C.E.,

Borough Engineer and Surveyor.

The weather conditions prevailing during 1939 were not up to the standard of 1938. The most striking feature was an increase of 5.80 inches of rainfall over the previous year.

SUNSHINE.

From 1st January to 31st December inclusive, 1939, 1432.7 hours of bright sunshine were recorded. This is a decrease of 85.0 hours as compared with 1938. The average yearly amount of bright sunshine from 1st January, 1921, to 31st December, 1939, i.e. a period of 19 years, has been 1455.7 hours.

Thus, the total sunshine during 1939 was 23 hours below the average for the above stated period of 19 years.

A total of 43.7 hours of sunshine in January 1939 was the lowest January total since 1929, whilst 96.9 hours of sunshine in February 1939 was the highest February total since 1934.

The total of 179.3 hours of sunshine in July was the highest July total since 1935. Again in August 145.6 hours of sunshine was the lowest August total since 1925. 93.4 hours of sunshine recorded during October was the lowest October total since 1933.

The sunniest month was June, when 217.6 hours were recorded, yet July and September were the only months recording sunshine on every day. December 1939 - as in 1938 - had the greatest number of sunless days, i.e. 14 days, closely followed by January of the same year with 13 sunless days.

The maximum amount of sunshine recorded in one day was 15.5 hours on the 4th June 1939. This compares most favourably with the maximum amount of sunshine ever recorded at this Station, which was 15.7 hours on the 17th June 1932.

Regarding 1939 sunshine, the month of June opened brilliantly, there being no less than 131.9 hours in the first 10 days. Unfortunately there was a big falling off in the remaining 20 days, when only 85.7 hours were recorded.

RAINFALL.

27.08 inches of rainfall were recorded during the year. This, as previously stated, is an increase of 5.80 inches over 1938, and an increase of 3.28 inches over the average of 23.80 inches taken over the last 30 years.

In contrast to 1938 there were two periods during the year of more than 7 days on which no rainfall was recorded, these periods were 16 days from the 25th May to 9th June (inclusive), and 12 days from the 12th to the 23rd August (inclusive).

The driest month of the year was February, with 0.59 inches of rain falling on 8 days, and the wettest month was November, with 4.22 inches of rain, which is the highest for any month since September 1935. This rainfall was distributed over a period of 18 days.

The greatest rainfall in any one day was 1.56 inches on the 18th November.

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TEMPERATURE OF THE AIR.

As in 1938 no great extremes of temperature were recorded during 1939. The average maximum shade temperature during the year was 54.9 degrees F. which is exactly the same as for 1937. It is a decrease of 1.8 degrees F. when compared with 1938. The average temperatures for 1936 and 1935 were 53.9 degrees F. and 55.4 degrees F. respectively.

The average minimum shade temperature of 44.0 degrees F. is only a slight decrease when compared with 1938, but is an increase of 1.1 degrees F. over 1937, 0.8 degrees F. over 1936, and 0.4 degrees F. over 1935.

The lowest temperature recorded by the Terrestrial Radiation Thermometer (Grass Minimum) was 25 degrees F. on the 4th, 6th and 7th January, and on the 3rd February.

The lowest temperature recorded by this Thermometer was 11 degrees F. on the 23rd January 1933.

RELATIVE HUMIDITY.

The average relative humidity for the year was 83.9 per cent.

MISCELLANEOUS PHENOMENA

During the year frosts were recorded on 33 occasions, as follows:-

| | | | |
|----|--------------|----|--------------|
| 11 | in January. | 11 | in February. |
| 2 | in March. | 3 | in November. |
| 6 | in December. | | |

Snow fell on 6 days during 1939 and hail on 9 days. Thunder was heard on 12 occasions and on 20 days throughout the year visibility was less than 1100 yards at the Morning Observation Hour. The average amount of sky covered (in tenths) by cloud during the year was 6.6.

The Cleethorpes Meteorological Station No. 2574., is officially recognised by the Air Ministry Meteorological Office as an Auxiliary Climatological Station, and a First Class Health Resort Station.

All the instruments in use are annually inspected and verified by Air Ministry Officials, and Reports are normally telegraphed once daily in winter and twice daily in summer to the Meteorological Office for inclusion in the Daily Weather Report issued by the Air Ministry.

The Station is under the control of the Council's Surveyor (Leonard W. Pye, A.M.Inst.C.E.,) and the Observers during 1939 were W.R.Wells and C.A.Gloyn, who are members of the Surveyor's Staff.

A summarised statement is attached to this report.

Journal of Management Studies, 19(6), 701-718.

Summary of Meteorological Observations taken at
Cleethorpes for year 1939.

| 1939 | Average Temperature | | Total Sunshine in hours | No of Sunless Days | Total Rainfall Inches | Days with Rain |
|--------------|---------------------|-------|-------------------------|--------------------|-----------------------|----------------|
| | Max. | Min. | | | | |
| January ... | 43.7 | 35.8 | 43.7 | 13 | 3.49 | 18 |
| February ... | 47.5 | 36.4 | 96.9 | 7 | 0.59 | 8 |
| March ... | 47.5 | 37.4 | 87.1 | 8 | 1.70 | 16 |
| April ... | 53.7 | 40.7 | 167.0 | 4 | 1.71 | 14 |
| May ... | 56.7 | 45.0 | 178.3 | 6 | 1.14 | 8 |
| June ... | 62.9 | 49.4 | 217.6 | 3 | 3.32 | 13 |
| July ... | 67.9 | 52.8 | 179.3 | - | 2.52 | 17 |
| August ... | 67.2 | 55.5 | 145.6 | 6 | 1.67 | 12 |
| September... | 64.1 | 54.0 | 116.6 | - | 1.07 | 11 |
| October ... | 53.0 | 43.1 | 93.4 | 6 | 3.30 | 22 |
| November ... | 51.2 | 42.2 | 60.7 | 10 | 4.22 | 18 |
| December ... | 43.3 | 35.9 | 46.5 | 14 | 2.35 | 15 |
| Totals ... | 658.7 | 528.2 | 1432.7 | 77 | 27.08 | 172 |
| Averages ... | 54.9 | 44.0 | 119.4 | | 2.26 | |

| | |
|---|---|
| Greatest rainfall in a day (Most ever recorded since 1910) | 1.56 ins. on 18th November, 1939. 2.49 ins. on 24th June, 1911. |
| Greatest amount of sunshine in a day (Most ever recorded since 1910) | 15.5 hrs. on 4th June, 1939. 15.7 hrs. on 17th June, 1932 |
| Highest shade temperature recorded (Max. ever recorded since 1910) | 81° F. on 8th September, 1939. 90° F. on 28th August, 1933. |
| Lowest shade temperature recorded (Lowest ever recorded since 1910) | 25° F. on 3rd February, 1939. 9° F. on 16th February, 1929. |
| Lowest ground temperature recorded (Lowest ever recorded since 1932) | 25° F. on 4th, 6th & 7th Jan., and on 3rd February, 1939. 11° F. on 23rd January, 1933. |

